



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

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U.S. ENVIRONMENTAL PROTECTION AGENCY POLLUTION REPORT

I. HEADING

Date: June 20, 1995
Subject: Twins Inn Site
From: Joyce Ackerman, OSC
To: Debbie Dietrich, Director, ERD
Polrep No: Polrep #1

II. BACKGROUND

Site No: 4F
Response Authority: CERCLA
NPL Status: Non-NPL
Action Memorandum Status: Approved on 6-20-95
Start Date: May 18, 1995

III. SITE INFORMATION

The Twins Inn site consists of two residences and the Twins Inn tavern which share a well for drinking water and other domestic uses. This shallow well is contaminated with solvents and is the subject of this Removal Action. The Site is in a mixed use area located northwest of the intersection of 56th Avenue and Sheridan Boulevard. The Site mailing address is Arvada, Colorado, but the subject properties are in unincorporated Jefferson County.

There are a variety of residences and commercial and industrial businesses surrounding the Site. The Site is located a few hundred feet northwest of the confluence of Ralston Creek and Clear Creek. Groundwater in the vicinity of the Site is believed to flow to the southeast toward the creeks. Residences and businesses north of the Site use the City of Arvada public water supply. Residences and businesses south of the Site use deep wells for water supply. Businesses west of the Site have a mixture of deep wells and City water. At this time, EPA has found no other

shallow wells near the Site which are used for drinking water. There are a variety of auto mechanics, construction companies, manufacturers, abandoned gas stations, and old landfills near the Site, but at this time the cause of the solvent contamination and the size/area of the contamination plume is undetermined.

IV. RESPONSE INFORMATION

A. Situation

1. Current Situation

In early 1995, EPA conducted a PA/SI of the old Sheridan dump, located northeast of 52nd & Sheridan Boulevard. The PA/SI sampling plan included sampling the well at the Twins Inn, which is upgradient of the Sheridan dump. The well is approximately 25 feet deep. The results showed the well contained 450 parts per billion (ppb) of TCE (maximum contaminant level (MCL) is 5 ppb), 120 ppb of PCE (MCL is 5 ppb), and 92 ppb of 1,1-DCE (MCL is 7 ppb). Concentrations of 1,1,1-trichloroethane and 1,2-dichloroethene were also found in excess of the MCL.

2. Removal actions to date

On May 17, ERB was notified of the sampling results, and on May 18, 1995, the two households and the tavern were supplied with bottled water by EPA. Based on recommendations from EPA toxicologists, an activated carbon filter was also installed on the contaminated well to protect residents from dermal and inhalation exposure.

B. PLANNED REMOVAL ACTIONS

The Removal Action at this Site thus far has been conducted to sample, evaluate, and respond to a potential plume of solvent contamination in the wells/water at the Site. As a result of the sampling, bottled water and carbon filtering is temporarily being provided to two residences and a business. Additional samples are presently being evaluated to determine the location of the plume, and to see if the recovery of contaminants is possible. In the future it may be necessary to remove the source of contamination and/or install treatment systems as necessary.